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(2) The preliminary estimate of compensable value should be consistent with the range of possible alternatives for restoration, rehabilitation, replacement, and/or acquisition of equivalent resources being considered.

(i) The preliminary estimate of compensable value should represent the expected present value of the anticipated compensable value, expressed in constant dollars, accrued through the period for the restoration, rehabilitation, replacement, and/or acquisition of equivalent resources to baseline conditions, i.e., between the occurrence of the discharge or release and the completion of the restoration, rehabilitation, replacement, and/or acquisition of the equivalent of the injured resources and their services. The estimate should use the same base year as the preliminary estimate of costs of restoration, rehabilitation, replacement, and/or acquisition of equivalent resources. The provisions detailed in §§11.80–11.84 of this part are the basis for the development of this estimate.

(ii) The preliminary estimate of compensable value should take into account the effects, or anticipated effects, of any response actions.

(iii) The discount rate to be used in developing the preliminary estimate of compensable value shall be that determined in accordance with the guidance in §11.84(e) of this part.

(d) *Content and timing.* (1) In making the preliminary estimate of damages, the authorized official should rely upon existing data and studies. The authorized official should not undertake significant new data collection or perform significant modeling efforts at this stage of the assessment planning phase.

(2) Where possible, the authorized official should make the preliminary estimate of damages before the completion of the Assessment Plan as provided for in §11.31 of this part. If there is not sufficient existing data to make the preliminary estimate of damages at the same time as the assessment planning phase, this analysis may be completed later, at the end of the Injury Determination phase of the assessment, at the time of the Assessment Plan review.

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(3) The authorized official is not required to disclose the preliminary estimate before the conclusion of the assessment. At the conclusion of the assessment, the preliminary estimate of damages, along with its assumptions and methodology, shall be included in the Report of the Assessment as provided for in §11.91 of this part.

(e) *Review.* The authorized official shall review, and revise as appropriate, the preliminary estimate of damages at the end of the Injury Determination and Quantification phases. If there is any significant modification of the preliminary estimate of damages, the authorized official shall document it in the Report of the Assessment.

[59 FR 14282, Mar. 25, 1994. Redesignated at 61 FR 20610, May 7, 1996]

Subpart D—Type A Procedures

§ 11.40 What are type A procedures?

(a) A type A procedure is a standardized methodology for performing Injury Determination, Quantification, and Damage Determination that requires minimal field observation. There are two type A procedures: the type A procedure for coastal and marine environments; and the type A procedure for Great Lakes environments. The type A procedure for coastal and marine environments incorporates a computer model called the Natural Resource Damage Assessment Model for Coastal and Marine Environments Version 2.51 (NRDAM/CME). The NRDAM/CME technical document (incorporated by reference, see §11.18) includes and explains the NRDAM/CME. The type A procedure for Great Lakes environments incorporates a computer model called the Natural Resource Damage Assessment Model for Great Lakes Environments Version 1.51 (NRDAM/GLE). The NRDAM/GLE technical document (incorporated by reference, see §11.18) includes and explains the NRDAM/GLE. The authorized official must follow §§11.41 through 11.44 when using the type A procedures.

(b) The reasonable and necessary costs incurred in conducting assessments under this subpart shall be limited to those costs incurred or anticipated by the authorized official for, and specifically allocable to, incident-

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specific efforts taken in the assessment of damages for natural resources for which the agency or Indian tribe is acting as trustee. Such costs shall be supported by appropriate records and documentation, and shall not reflect regular activities performed by the agency or the Indian tribe in management of the natural resource. Activities undertaken as part of the damage assessment shall be taken in a manner that is cost-effective, as that phrase is used in this part.

[52 FR 9096, Mar. 20, 1987, as amended at 53 FR 5175, Feb. 22, 1988; 61 FR 20611, May 7, 1996; 62 FR 60459, Nov. 10, 1997; 65 FR 6014, Feb. 8, 2000]

§ 11.41 What data must the authorized official supply?

(a) The NRDAM/CME and the NRDAM/GLE require several data inputs to operate. The authorized official must develop the following data inputs:

- (1) The identity of the released substance;
- (2) The mass or volume of the identified substance that was released;
- (3) The duration of the release;
- (4) The time of the release;
- (5) The location of the release;
- (6) The wind conditions;
- (7) The extent of response actions;
- (8) The extent of any closures;
- (9) The implicit price deflator; and
- (10) For the NRDAM/CME, the condition of the currents and tides.

(b) The authorized official must change the data in the NRDAM/CME and the NRDAM/GLE for the following parameters if he or she is aware of more accurate data:

- (1) Air temperature;
- (2) Water temperature at the surface;
- (3) Total suspended sediment concentration;
- (4) Mean settling velocity of suspended solids; and
- (5) Habitat type.

(c)(1) If the release occurred in Alaska and the authorized official is not aware of any reliable evidence that ice was absent from the site of the release, then he or she must turn on the ice modeling function. Otherwise, the authorized official must leave the ice modeling function off.

(2) If the release occurred in the Great Lakes and the authorized official

is aware of reliable evidence that ice was absent from the site of the release, then he or she must turn off the ice modeling function.

(d) The authorized official must develop the data inputs and modifications and include them in the Assessment Plan in the format specified in Appendix II (for the NRDAM/CME) or Appendix III (for the NRDAM/GLE).

[61 FR 20611, May 7, 1996]

§ 11.42 How does the authorized official apply the NRDAM/CME or NRDAM/GLE?

(a) The authorized official must perform a preliminary application of the NRDAM/CME or NRDAM/GLE with the data inputs and modifications developed under § 11.41. Volume II of the NRDAM/CME technical document (incorporated by reference, see § 11.18) describes how to apply the NRDAM/CME. Volume II of the NRDAM/GLE technical document (incorporated by reference, see § 11.18) describes how to apply the NRDAM/GLE. For cases involving releases of two or more substances or a release of a mixture of substances, the authorized official may only apply the NRDAM/CME or NRDAM/GLE once using only one of the substances.

(b) If the preliminary application of the NRDAM/CME or NRDAM/GLE indicates damages in excess of \$100,000, then the authorized official must decide whether to:

- (1) Limit the portion of his or her claim calculated with the type A procedure to \$100,000; or
- (2) Compute all damages using type B procedures.

[61 FR 20611, May 7, 1996]

§ 11.43 Can interested parties review the results of the preliminary application?

After completing the preliminary application of the NRDAM/CME or NRDAM/GLE, if the authorized official decides to continue with the type A procedure, he or she must issue an Assessment Plan for public comment as described in § 11.32. The Assessment Plan must include the information described in § 11.31, the data inputs and modifications developed under § 11.41, and a summary of the results of the